

Application Serial No: 10/663,596
Responsive to the Office Action mailed on: February 7, 2007

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IN THE CLAIMS

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An objective lens for focusing a light beam emitted from a light source on an information recording surface of an optical information recording medium, wherein the objective lens has an upper surface of an edge and a substantially truncated-cone-shaped portion projecting from the upper surface of the edge on its surface on a side of the optical information recording medium;

wherein a base of the substantially truncated cone-shaped portion of the objective lens has a radius $RL2$ smaller than 1.8 mm, and a height H of the substantially truncated-cone-shaped portion satisfies height $H > 0.75 \text{ mm} + \text{necessary movement amount } FD \text{ of lens} - \text{working distance } WD$.

2. (Original) The objective lens according to claim 1,
wherein the light beam passes through the substantially truncated-cone-shaped portion, and an upper surface of the substantially truncated-cone-shaped portion has a diameter larger than an effective diameter of the light beam passing through the upper surface.

3. (Cancelled)

4. (Original) An optical head comprising:
a light source;
an objective lens for focusing a light beam emitted from the light source on an information recording surface of an optical information recording medium;
a plurality of optical elements; and an optical-electric conversion system;
wherein the objective lens is the objective lens according to claim 1.

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5. (Original) An optical information recording/reproducing apparatus, which comprises an optical head for recording or reproducing information optically with respect to an optical information recording medium and records or reproduces desired information with respect to the optical information recording medium, wherein the optical head is the optical head according to claim 4.